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State of Utah

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DIVISION OF OIL, GAS AND MINING

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April 1, 1997

TO: File #2

THRU: Daron Haddock, Permit Supervisor

DORH

FROM: Steven M. Johnson, Reclamation Specialist

SMJ

RE: Separation Project, Cyprus Plateau Mining Corp, Willow Creek Mine, ACT/007/038-96F, File #2, Carbon County, Utah

SUMMARY:

In the spring of 1996 Cyprus Plateau Mining Company (CMPC) received permission to conduct mining activities for the Willow Creek Mine. Part of the permitted area included areas that are also permitted under the Castle Gate Mine plan. CMPC has requested that those dually permitted areas be eliminated from the Castle Gate permit and included fully in the Willow Creek documentation.

TECHNICAL ANALYSIS:

HYDROLOGIC RESOURCE INFORMATION

Regulatory Reference: R645-100-200, -301-724.

Analysis:

Probable Hydrologic Consequences Determination

The Probable Hydrologic Consequence determinations were developed separately between the Castle Gate and Willow Creek areas. The Willow Creek determination included facilities in the Castle Gate MRP.

Findings:

The environmental hydrologic resource information is complete, accurate and non-contradictory.

HYDROLOGIC OPERATIONAL INFORMATION

Regulatory Reference: R645-300-140, -300-141, -300-142, -300-143, -300-144, -300-145, -300-146, -300-147, -300-147, -300-148, -301-512, -301-514, -301-521, -301-531, -301-532, -301-533, -301-536, -301-542, -301-720, -301-731, -301-732, -301-733, -301-742, -301-743, -301-750, -301-761, -301-764.

Analysis:

Discharges into an Underground Mine

Gravity discharges are addressed on page 4.7-16 in section 4.7.2.5. In this section CMPC refers the reader to the Castle Gate MRP for information about injection wells. This information will now be fully contained in the Willow Creek MRP and references must be changed to direct the reader to the new location.

Sedimentation Ponds

Pond 12B has designs listed in two places. The most recent designs were amended to the Willow Creek Exhibit 13 in October 1997. These conflict with designs for the same Pond listed in Exhibit 19.

Findings:

The following deficiencies exist in the operational hydrologic information section.

R645-301-731.510, information on injection wells must be properly referred to in the discharge information section.

R645-301-742.220, Pond 12B must have one standard design in all exhibits.

Separation Project
ACT/007/038-96F
April 1, 1997
Page 3

HYDROLOGIC RECLAMATION INFORMATION

Regulatory Reference: R645-301-512, -301-513, -301-514, -301-515, -301-532, -301-533, -301-542, -301-723, -301-724, -301-725, -301-726, -301-728, -301-729, -301-731, -301-733, -301-742, -301-743, -301-750, -301-751, -301-760, -301-761.

Analysis:

This information is exclusive to individual areas. No contradictory information exists.

Findings:

Reclamation Hydrology is complete, accurate and non-contradictory.

RECOMMENDATIONS:

The proposed amendment to the Willow Creek MRP contains some information that conflicts with the currently approve MRP. This information must be made consistent before approval.